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BOTANY.

The Journals. — *Bulletin of the Torrey Botanical Club*, February: Richards and MacDougal, "Influence of Carbon Monoxide and other Gases upon Plants"; Berry, "Additions to the Flora of the Matawan Formation"; Griffiths, "Concerning some West American Smuts"; Dandeno, "Mechanics of Seed-Dispersion in *Ricinus communis*"; and Howe, "Notes on Bahaman Algæ."

Journal of Mycology, January: — Morgan, "A New Sirothecium"; Hedgcock, "Proof of the Identity of Phoma and Phyllosticta on the Sugar Beet"; Atkinson, "Notes on the Genus Harpochytrium"; Kellerman, "Notes from Mycological Literature" — VIII, and "Index to Uredineous Infection Experiments."

Journal of the New York Botanical Garden, February: — Britton, "George Washington's Palms"; Small, "The Economic Museum"; Nash, "Interesting Plants in Flower in the Conservatories"; Britton, "Botanical Exploration of the Philippine Islands."

Notes. — Two interesting illustrated articles, by Massart, are published in the September *Bulletin du Jardin Botanique de l'État à Bruxelles*, respectively on how perennials maintain their subterranean level, and how young leaves are protected against climatic excesses. The second is illustrated by Ducos-du-Hauron plates in red and blue which give a neutral tint stereoscopic effect when viewed through accompanying red and blue spectacles.

An important paper by Reinke, on "Botanisch-geologische Streifzüge an den Küsten des Herzogtums Schleswig," is published as a complementary heft to Vol. 8, N. F. of the *Wissenschaftliche Meeresuntersuchungen* published by the German Sea Commission of Kiel.

The first part of a study of the plankton of the Illinois River, by Kofoid, published as Article 2 of Vol. 6 of the *Bulletin of the Illinois State Laboratory of Natural History*, forms a quarto volume of xviii + 629 pages, with numerous diagrams and plates.

Adventive bud formation on leaves of *Yucca gloriosa* is noted by Lutz in the *Journal de Botanique* of December.

Nasmith writes on the chemistry of wheat gluten in No. 4 of the Physiological Series of *University of Toronto Studies*.

The association of lime-loving and lime-shunning plants is discussed by Aubert in No. 147 of the *Bulletin de la Société Vaudoise*.

An account of the sex-conditions and hybrids in *Ribes*, by Janczewski, is separately printed from the *Bulletin International de l'Académie des Sciences de Cracovie*, of December and January.

The rubber-fig of New Caledonia, *Ficus Schlechteri*, is described and figured by Warburg in *Der Tropenpflanzer*, of December.

Cocoa: Its Production and Use, is the title of a paper by Marshall in the *American Journal of Pharmacy*, for February.

An illustrated account of Yerba Mate — *Ilex Paraguayensis*, by Metzger, is contained in *Der Tropenpflanzer*, for January.

A popular article on California mistletoe, *Phoradendron*, with photograms showing its occurrence on various trees, is published by Helen Lukens Jones in *Out West* for February.

An account of useful and interesting plants of the Congo region, by de Wildeman, has been issued from the press of Spineux, of Brussels.

A short sketch of the desert flora about Phœnix, Ariz., by Dams, is published in the *Monatsschrift für Kakteenkunde*, of January.

An account of the useful plants of the Sahara desert, by Dürkop, forms the December number of *Beihefte zum Tropenpflanzer*.

An illustrated account of Samoa and its crops, by Wohltmann, constitutes Heft 1-2 of the *Beihefte zum Tropenpflanzer* of 1904.

A good illustration of a utilized school garden is contained in the 1902-3 *Catalogue of the Boston Normal School*.

A portrait of Professor Farlow forms the frontispiece to *The Popular Science Monthly* of February.

A portrait of Professor Peck is published as frontispiece to Vol. 1 of the *Ohio Mycological Bulletin*.